

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Algebra 1A Pd B**

**WeekNIGHT Word Problem: Combining Like Terms and the Distributive Property**

**The Situation:** Latrell is whale-watching and sees a certain number of whales. Let **w** = number of whales Latrell sees.

1. Nick sees five more whales than Latrell. Write an expression for the number of whales Nick sees, using  $w$  as your only variable.
2. Ethan sees twice as many whales as Nick. Write an expression for the number of whales Ethan sees, using  $w$  as your only variable.
3. Write an expression for the number of whales Latrell, Nick and Ethan see combined, using  $w$  as your only variable. SIMPLIFY your expression.

**CHALLENGE:** If the total number of whales spotted by all three boys is fifty-five, how many whales did Latrell see?